

## entry Y16642

LOCUS CGLPD 1800 bp DNA BCT 01-FEB-1999  
 DEFINITION Corynebacterium glutamicum lpd gene, complete CDS.  
 ACCESSION Y16642  
 VERSION Y16642.1 GI:4210629  
 KEYWORDS dihydrolipoamide dehydrogenase: lpd gene.  
 SOURCE Corynebacterium glutamicum.  
 ORGANISM Corynebacterium glutamicum  
 Bacteria; Firmicutes; Actinobacteria; Actinobacteridae;  
 Actinomycetales; Corynebacterineae; Corynebacteriaceae;  
 Corynebacterium.  
 REFERENCE 1 (bases 1 to 1800)  
 AUTHORS Schwinde, J., Sahm, H. and Eikmanns, B. J.  
 JOURNAL Unpublished  
 REFERENCE 2 (bases 1 to 1800)  
 AUTHORS Eikmanns, B. J.  
 TITLE Direct Submission  
 JOURNAL Submitted (23-FEB-1998) B. J. Eikmanns, Abteilung Angewandte  
 Mikrobiologie, Universitaet Ulm, D89069 Ulm, FRG  
 FEATURES  
 source Location/Qualifiers  
 1..1800  
 /organism="Corynebacterium glutamicum"  
 /strain="ATCC 13032"  
 /db\_xref="taxon:1718"  
 gene 211..1620  
 /gene="lpd"  
 CDS 211..1620  
 /gene="lpd"  
 /EC\_number="1.8.1.4"  
 /codon\_start=1  
 /transl\_table=11  
 /product="dihydrolipoamide dehydrogenase"  
 /protein\_id="CAA76340.1"  
 /db\_xref="GI:4210630"  
 /translation="MTEHYDVVVLGAGPGGYVSAIRAAQLGKKVAVIEKQYWGCVCLN  
 VGCIPSKSLIKNAEVAHTFHEKKTFGINGEVTFNYEDAHKRSRGVSDKIVGGVHYLM  
 KKNKIIIEIHGLGNFKDAKTLEVTGKDGAKTITFDDCIATGSVVNTLRGVDFSENVV  
 SFEEQILNPVAPKMKMIVGAGAIMFEAYVLGNYGVDTVIVFMDRVLPNEDAIEVSKV  
 IAKAYKKMGVKLLPGHATTAVRDNGDFVEVDYQKKGSDKTETLTVDVRVMSVGFPRPV  
 EGFLENTGVKLTERGAI EIDDYMRNTVDGIYAIGDVTAKLQLAHVAEAQGI VAAETI  
 AGAETQTLGDYMMMPRATFCNPQVSSFGYTEEQAKEKWPDIKVASLPFSANGKAVG  
 LAETDGFAKIVADAIEFGLLGAHLVGANASELINELVLAQNWDLTTEEISRSVHIHPT  
 LSEAVKEAAHGISHMINF"  
 BASE COUNT 461 a 432 c 442 g 465 t  
 ORIGIN  
 1 gatcctccgc attcagtaat cttcccaca gcatcggtt gttctaaaac agcacggtgc  
 61 ttagaccgta cataaaacac ctgcatttct gtgcccattt gggcccggtt gtgggtgttt  
 121 ttcatcttct tccactctaa aattaagtat ggaaaaccaa ccgcaccggt atgcacgaca  
 181 atgaccact aaacacgtat ccttgaatgc gtgactgaac attatgacgt agtagtactc  
 241 ggagccggcc ccggtggcta tgtctccgcc atccgtgcag cgcagcttgg caagaaggtt  
 301 gctgtaattg agaagcagta ctgggggtgt gtttgctaa acgtgggtgc cattccttcc  
 361 aagtctctga tcaaaaacgc tgaagttgcc cataccttta cccatgagaa gaagaccttc  
 421 ggcatcaatg gcgaagtac cttcaactat gaggatgtc acaagcgttc cgtggcgtt  
 481 tccgacaaga tegtggagg cgttcattac ttgatgaaga agaacaagat catcgaatt  
 541 catggtcttg gaaacttcaa ggatgctaag actcttgagg tcaccgacgg taaggatgct  
 601 ggcaagacca tcaccttga tgaactgcac atcgcaaccg gttcggtagt caacaccctc  
 661 cgtggcgttg acttctcaga gaacgttggt tcttttgaag agcagattct taaccctgtt  
 721 gcgccaaga agatggtcat tgttggtgca ggcgcaattg gaattgaatt cgcctacgtt  
 781 ctgtgtaact acggtgtaga tgaaccgtc atcgagtica tggatcgtgt gcttccaaat  
 841 gaagatgctg aagtcctcaa ggttattgca aaggcctaca agaagatggg cgttaagctt  
 901 ctctctggcc atgcaaccac tgctgttcgg gacaacgggt actttgtcga ggttgattac  
 961 cagaagaagg gctctgacaa gacagagact cttactgttg atcgagtcac ggtttcgtt  
 1021 ggtttccgtc cagcgttga gggatttggc cttgaaaaca ctggcgtaa gctcaccgag  
 1081 cgtggcgcaa tcgagatcga tgattacatg cgtaccaacg tcgatggcat ttacgccatc  
 1141 ggtgacgtga ccgccaagct tcagcttgct cacgtcgag aagcacaggg cattgttgcc  
 1201 gcagagacta ttgctggtgc agaaactcag actcttggtg attacatgat gatgccagct  
 1261 gcaaccttct gcaaccaca ggtttcttcc ttgtgttaca ccgaagagca ggccaaggag  
 1321 aagtggccag atcgtgagat caaggttgct tccctcccat tctctgcaaa cggtaaagca  
 1381 gttggcctgg cagaaactga tggtttcgca aagatcgttg ctgatgcaga attcgggtgag  
 1441 ctgctcggtg cacacctggt tggagcaaat gcatcagagc tcacatga attggtgctt

1501 gctcagaact gggatct cactgaagag atctctcgta gcgtccatat caacg  
1561 ctatctgagg cagttaagga agctgcacac ggtatctctg gacacatgat caacttctag  
1621 aatccaccto gttggccctg ttctgtatg gaaacagggc caaaaccgat ttccaatcca  
1681 aaccgagtgc tggtagtgc tcatactcac acaaactttt cgattatcaa agagaattat  
1741 ttctaaaatt cggtatcgtc taagaaatga gtttgccaat agctcagcat caaatgctg

//

